## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

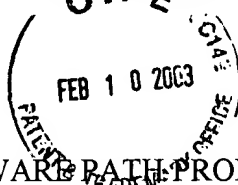| | | |
|---|---|---|
| Applicant: | Youfeng Wu et al. | Examiner: William H. Wood |
| Serial No.: | 09/541,399 | Group Art Unit: 2124 |
| Filed: | March 31, 2000 | Docket: 884.217US1 |
| Title: | HIERARCHICAL SOFTWARE PATH PROFILING | |

### AMENDMENT AND RESPONSE UNDER 37 CFR §1.111

Commissioner for Patents
Washington, D.C. 20231

Applicant has reviewed the Office Action mailed on October 4, 2002. Please amend the above-identified patent Application as follows.

This response is accompanied by a Petition, as well as the appropriate fee, to obtain a one-month extension of the period for responding to the Office action, thereby moving the deadline for response from January 4, 2003 to February 4, 2003.

### In the Claims

Please substitute the claim set in the appendix entitled "Clean Version of Pending Claims" for the previously pending claim set. The substitute claim set amends previously pending claims 1, 13, 18, 24, 26, 27, 29, and 30, and adds new claims 31-39. The following marked up set of claims details specific amendments to individual claims.

1.(Amended) A computer-implemented method[ of measuring a frequency of execution of a hierarchical software path, the method] comprising:

[when ]after entering an inner region of a hierarchical software path, saving an outer path sum;

initializing an inner path sum;

summing edge values encountered in the inner region with the inner path sum; and

[when ]after exiting the inner region, modifying a profile indicator that represents the frequency of execution of a path within the inner region, and restoring the outer path sum.